

STATEMENT OF WORK

1. PROJECT INFORMATION

1.1 Project Title: Paving Requirements Contract, Fort Wainwright, Alaska.

1.2 Project Number:

1.3 Project Drawings: C-1 through C-42

2. SITE OF PROJECT: Various locations within the installation boundary. The site of work will be identified on each Work Order when it is issued.

3. GENERAL PROJECT DESCRIPTION: The work to be performed under this Contract consists of repairs, improvements, modifications and additions to existing roads, parking areas, taxiways, aircraft parking ramp and runways. The Contractor shall provide all plant, labor, equipment, materials, supplies and supervision to perform all the work, including work of an incidental nature, in accordance with the attached general drawings and specifications and the work description given on each Work Order. The work requires the contractor to provide and install all items ordered, complete and functional. The following definitions are provided to identify the extent of work covered by each line item. Note that some of the line items may include work of other line items. The contractor shall only be paid for work under one line item; he shall not be compensated twice for the same work done by including the work in two line items. On removal items, removal of surrounding materials such as pavement or curb shall be minimized, shall be considered as part of the cost for the item removed, and shall not be paid extra. Obtaining and transporting material to the site, clean up of the work area of debris created by the item work and traffic/pedestrian control and barricades are a part of each item.

4. WORK ITEMS AND DEFINITIONS: Following is an outline of the items of work and the descriptions of each item to be constructed under this Contract:

CLIN AA Asphalt Concrete (AC) Pavement Removal and Disposal

Complete removal of the existing AC pavement to the base aggregate level, within the limits of area identified by the work order. Also included is loading, hauling and dumping at a location on post or at the Municipal landfill as identified by the Work Order.

CLIN AB Portland Cement Concrete (PCC) Pavement Removal and Disposal

Complete removal of the existing PCC pavement to the base aggregate level, within the limits of area identified by the work order. Also included is loading, hauling and dumping at the Municipal landfill

CLIN AC PCC Sidewalk Removal and Disposal

Complete removal of the existing PCC sidewalk to the base aggregate level, within the limits of area identified by the work order. Also included is loading, hauling and dumping at the Municipal landfill.

CLIN AD Valley Gutter Removal and Disposal

CLIN AE Curb and Gutter Removal and Disposal

CLIN AF Curb Removal and Disposal

Complete removal of the existing PCC gutter, curb and gutter, or gutter to the base aggregate level, within the limits of area identified by the work order. Also included is loading, hauling and dumping at the Municipal landfill.

CLIN AG General Excavation

Excavation of soil, aggregate and other earthen materials other than rock larger than 12 inch dimension to the limits and grades identified in the Work Order. Does not include concrete type materials or timber and brush required to be removed before earthen excavation can begin or loading and hauling the excavated material from the site. This item does include all layout and survey work required to excavate to the limits and grades identified in the Work Order

CLIN AR Cold Milling AC Pavement, 1" Average Depth

Set up and milling of AC (Asphalt Concrete) pavement to the limits, grades (slopes) and depths identified in the work order. This item is for the average milling depth, i.e. a sloped milling from 2" depth to 0" depth would be an average 1" depth for the milled area. Set up for milling less than 50 SY on the installation (not necessarily at the same location) is subject to additional compensation for mobilization. Also included is cleanup, loading, hauling and dumping of the milled material at a location on base or at the Municipal landfill as identified by the Work Order

CLIN AJ Pulverize AC Surface, Grade and Compact

Pulverizing the existing AC (Asphalt Concrete) pavement in place by use of a pulverizing machine or other equipment to break up the pavement to the required size limit, grading and compacting in place for use as road base to the limits identified in the Work Order. Also included is clean up of pavement debris lost outside of the compacted base area.

CLIN AK Geotextile Stabilization Fabric

Installation of stabilization fabric on a prepared surface to the limits identified in the Work Order including smoothing the fabric with proper seams and overlaps, and retaining the fabric in place until suitably covered by subsequent construction. Also included is clean up and disposal of all trash and debris created from this work. Preparing of the surface for fabric is not a part of this item.

CLIN AL Grade and Compact Subgrade

Grading and compacting soil, aggregate and other insitu earthen materials other than rock larger than 12 inch dimension to the limits and grades identified in the Work Order. This item does include redistribution of subgrade material as normally performed by a motor grader to meet grades and all layout, survey work and compaction testing required to grade and compact to the limits and grades identified in the Work Order. This item does not include import of fill material that requires loading and hauling.

CLIN AM Select Fill, Place and Compact

Obtaining, loading, hauling, dumping, grading and compacting select fill materials to the limits and grades identified in the Work Order. This item includes distribution of fill material to meet grades and all layout, survey work and compaction testing required to grade and compact to the limits and grades identified in the Work Order. Select fill material shall be obtained by the Contractor, off post, unless otherwise authorized by the Contracting Officer.

CLIN AN D-1 Aggregate Base Course, Place and Compact

Obtaining, loading, hauling, dumping, grading and compacting D-1 base aggregate material to the limits, depths and grades identified in the Work Order, and maintaining compacted surface clean and ready for paving operations until subsequent operations take place. This item includes distribution of fill material to meet grades and all layout, survey work and compaction testing required to grade and compact to the limits and grades identified in the Work Order. D-1 Aggregate material shall be obtained by the Contractor, off post, unless otherwise authorized by the Contracting Officer.

CLIN AP Prime Coat

Distributing asphalt prime coat at the proper rate and distribution coverage, to the limits identified in the Work Order, including both vehicle distribution and hand held distribution in areas not accessible by vehicle, and preparation of the surface by removing any loose or objectionable materials such as uncompacted aggregate, debris or vegetation spilled on the compacted surface after final grading and compaction of the base. This item also includes clean up of spills or inaccurate placements onto surfaces outside of the area identified, to eliminate any environmental concerns and correct misplacements that are unsightly or a nuisance and all calibration and test patterns within or outside of the work area required to obtain the specified distribution.

CLIN AQ Tack Coat (mci. sweep)

Preparation of the existing pavement surface by cleaning and sweeping, and distribution of asphalt tack coat, to the limits identified in the Work Order. This includes clean up of spills or inaccurate placements onto surfaces outside of the area identified, to eliminate any environmental concerns and correct misplacements that are unsightly or a nuisance. This item also includes all calibration and test patterns within or outside of the work area required to obtain the specified distribution

CLIN AR 2" Reclaimed Asphalt Surface Course, Place and Compact

Placing and compacting reclaimed asphalt concrete to the required thickness, grade, smoothness and compaction specified, including obtaining old AC surface course material from current work or on post stockpiles, adding and blending with new materials to meet the specifications, and distributing and compacting the mix within the limits identified in the Work Order. This item also includes layout, survey work, density testing and core sampling, required to meet the limits and grades identified in the Work Order and as specified for quality control. Preparation of the placement surface is not a part of this item.

CLIN AS 1.5" AC Pavement Overlay Course, Place and Compact

Placing and compacting new AC over existing pavement to the required thickness, grade, smoothness and compaction specified, within the limits identified in the Work Order. This item includes layout, survey work, density testing and core sampling, required to meet the limits and grades identified in the Work Order and as specified for quality control. Preparation of the placement surface is not a part of this item.

CLIN AT 2" AC Pavement Surface Course, Place and Compact

CLIN AU 3" AC Pavement Surface Course, Place and Compact

Placing and compacting new AC over existing pavement to the required thickness, grade, smoothness and compaction specified, within the limits identified in the Work Order. This item also includes layout, survey work, density testing and core sampling, required to meet the limits and grades identified in the Work Order and as specified for quality control. Preparation of the placement surface is not a part of this item.

CLIN AV 7" PCC Pavement Surface Course, Place and Finish,

CLIN AW6" PCC Pavement Surface Course, Place and Finish

Placing, consolidating, finishing and curing PCC to the required thickness, grade, smoothness and finish specified within the limits identified in the Work Order. This item also includes layout, survey work, forming, expansion, contraction and construction joints, field and strength testing and core sampling, required to meet the limits and grades identified in the Work Order and as specified for quality control. Preparation of the placement surface is not a part of this item.

CLIN AX 4" PCC Sidewalk, Place and Finish

Placing, consolidating, finishing and curing PCC to the required thickness, grade, smoothness and finish specified within the limits identified in the Work Order. This item also includes layout, survey work, forming, transverse expansion, contraction and construction joints, field and strength testing, required to meet the limits and grades identified in the Work Order and as specified for quality control. Preparation of the placement surface including minor excavation, grading and compaction such as is associated with installing new sidewalk where old sidewalk has been removed is a part of this item.

CLIN AY Longitudinal Sidewalk Joint

Installation of the expansion joint material and sealant at locations where new sidewalk is being placed adjacent to a curb, building, pole or other such structure. Support of the joint material during concrete placement and cleaning of the joint prior to sealant application is included in this item.

CLIN AZ PCC Curb, Place and Finish

CLIN BA PCC Curb and Gutter, Place and Finish

CLIN BB PCC Gutter, Place and Finish

Placing, consolidating, finishing and curing PCC curb, curb and gutter, or gutter to the required configuration, grade, smoothness and finish specified within the limits identified in the Work Order. This item also includes layout, survey work, forming, expansion, contraction and construction joints, field and strength testing, required to meet the limits and grades identified in the Work Order and as specified for quality control. Preparation of the placement surface including minor excavation, grading and compaction such as is associated with installing new curb, curb and gutter, or gutter where old has been removed is a part of this item.

CLIN BC Handicapped Ramp, Type A

CLIN BD Handicapped Ramp, Type B

CLIN BE Handicapped Ramp, Type C

Placing, consolidating, finishing and curing the PCC handicapped ramp including curb and gutter around the ramp, tapering from the base of the ramp to the full height curb and gutter, to the required thickness, grade, smoothness and finish specified within the limits identified in the Work Order. This item also includes layout, survey work, forming, expansion, contraction and construction joints, field and strength testing, required to meet the limits and grades identified in the Work Order and as specified for quality control. Preparation of the placement surface including minor excavation, grading and compaction such as is associated with installing new ramp where old ramp or sidewalk has been removed is a part of this item.

CLIN BF Prepare and Patch Potholes, AC Pavement

Preparation includes saw cutting the perimeter of the damaged area to a square or rectangle shape, removing pavement and removing contaminated base aggregate to a 10" depth within the saw cut area. Also included is loading, hauling and dumping at the Municipal landfill. Repair includes placing and compacting 10" base aggregate, prime and tack coating placement surfaces, and placing and compacting AC pavement.

CLIN BG Patch Utility Trenches, AC Pavement

Repair includes clean up and excavation of the trench to the proper grade depth and placing and compacting 6" base aggregate, prime and tack coating placement surfaces, and placing and compacting AC pavement.

CLIN BH Clean and Seal Pavement Cracks, AC Pavement

Removing foreign material from cracks by blowing with high pressure air, high pressure water and/or mechanical

means, drying crack and filling crack with specified sealant.

CLIN BJ Saw Cut AC Pavement, Per 1" Depth
CLIN BK Saw Cut PCC Pavement, Per 1" Depth

Laying out cut location and accurately sawing pavement to the limits and depth identified in the Work Order. Cleanup of cutting residue is a part of this item.

CLIN BL Adjust Manhole up to 2"
CLIN BM Adjust Catch Basin up to 2"

Saw cutting or milling and removing pavement surface and base aggregate around manhole or catch basin, removal of the cover/grate and frame, adding extension collars and mortar to the required grade, reinstalling frame and cover/grate, placing and compacting aggregate base, priming and tack coating placement surfaces and placing and compacting AC pavement to required elevation.

CLIN BN Adjust Valve Box

Saw cutting or milling and removing pavement surface and base aggregate to allow movement of the valve box collar, raising or replacing extension collar at the required grade, placing and compacting aggregate base, priming and tack coating placement surfaces and placing and compacting AC pavement to required elevation.

CLIN BP Catch Basin with Grate

Installation of a pre cast or cast in place catch basin with up to 4' invert depth, including base material, grading and compaction, making all pipe connections, installing frame and grate, backfilling and compacting with select fill material, and backfilling and compacting base aggregate to 12" depth. This item also includes layout and survey work required to meet drainage, forming, field and strength testing, identified in the Work Order and as specified for quality control. Not included in this item is the excavation for the catch basin, finished pavement surface, or the drainage piping to be connected into the catch basin.

CLIN BQ 12" CMP Culvert /Drain Pipe
CLIN BR 18" CMP Culvert /Drain Pipe
CLIN BS 24" CMP Culvert /Drain Pipe

Installation of CMP (Corrugated Metal Pipe) culvert pipe with connections to grade with bedding and compaction to 12 "over top of pipe. This item also includes layout and survey work required to meet drainage as identified in the Work Order. Excavation and backfill above the bedding is not a part of this item.

CLIN BT 12" CMP Flared End Section
CLIN BU 18" CMP Flared End Section
CLIN BV 24" CMP Flared End Section

Installing and connecting flared end sections on CMP culvert pipe including incidental excavation, bedding, backfill and compaction to complete installation. Not included in this item are concrete cutoff walls or headwalls.

CLIN BW Culvert Thaw Pipe

Installing culvert thaw pipe including all supports, anchors and standpipes.

CLIN BX 4" Pavement Striping (Parking Lot)
CLIN BY 4" Pavement Striping (Road)
CLIN BZ 8" Pavement Striping (Road)

CLIN CA 12" to 24" Pavement Striping

Laying out and striping parking lot or road areas to the configuration and limits identified in the Work Order. Cleaning and preparation of the surface for paint is a part of this item.

CLIN CB Pavement Letters

CLIN CC Pavement Symbols

CLIN CD Pavement Paint Blackout

Laying out and painting pavement areas to the configuration and limits identified in the Work Order. Cleaning and preparation of the surface for paint and stenciling are a part of this item.

CLIN CE 6" Topsoil, Place and Grade

Obtaining, loading, hauling, dumping, grading and compacting topsoil material to the limits, depths and grades identified in the Work Order, and maintaining the surface ready for planting. This item includes scarification of subgrade prior to placing topsoil, and layout and survey work required to grade the topsoil to the limits, thickness and grades identified in the Work Order.

CLIN CF Grass Seed with Soil Preparation

Scarifying soil for planting, applying fertilizer, applying grass seed, covering, rolling and maintain seeded area through the establishment period.

CLIN CG Hydro Seed with Soil Preparation

Scarifying soil for planting, applying fertilizer, grass seed and cover mix, and maintaining seeded area through the establishment period.

CLIN CH Protective Bollard

Excavating, placing bollard post and concrete, placing and compacting fill material, placing and compacting base aggregate material, and painting and taping post. This item includes layout, concrete form, and removal, hauling and on base disposal of excavated soil.

CLIN CJ Parking Wheel Stops

Installation of precast wheel stops including layout, pinning and grouting holes. Pinning through AC pavement and gravel surfaces is included. This item does not include drilling through PCC pavement for pinning.

CLIN CK Remove Road/Street Signs, Single Post

Removal of road or street signs on a single post including the post footing, backfilling and compacting post hole and disposal of the sign and post. Post might be wood or metal. Salvage of the sign or post is a Government option.

CLIN CL Road/Street Signs (30")

Installation of road or street signs up to 30" x 30" size on a single post including the post footing. This item includes layout, excavation and backfilling or driving post sleeve and compacting post hole in aggregate or soil material. This item does not include removal and replacement of pavement surfaces.

CLIN CM Roadside Delineators

Installation of road delineators on a single post. This item includes layout and driving post in aggregate or soil material. This item does not include removal and replacement of pavement surfaces.

CLIN CN Head Bolt Heater Posts

Excavating, placing support post, conduit and concrete, placing and compacting fill material, placing and compacting base aggregate material, installing and connecting receptacle assembly and connection of the wiring to the existing power transformer. This item includes layout, concrete forming, and removal, hauling and on base disposal of excavated soil. This item does not include removal and replacement of pavement surfaces to place post. See attached Ft. Wainwright Design Guide drawings.

CLIN CP Remove Guard Rail and Posts

Removal of guard rail, beam or cable, support posts, footings, anchor system, backfilling and compacting post holes and disposal of the hardware and posts. Posts might be wood or metal. Salvage of the guard rail hardware is a Government option. This item includes grading repair of the road shoulder where the posts were removed.

CLIN CQ Corrugated Beam Guard Rail Include Posts

Installation of guard rail, support posts, backfilling and compacting post holes and all hardware. This item also includes layout and survey work required to meet Alaska Department of Transportation (DOT) installation standards, excavation / drilling for posts, and grading repair of the road shoulder where the posts were installed.

CLIN CR Guard Rail End Section Include Anchors

Installation of guard rail, support posts, foundations, backfilling and compacting post holes, anchorage system, end termination and all hardware. This item also includes layout and survey work required to meet Alaska DOT installation standards, excavation / drilling for posts, and grading repair of the road shoulder where the posts were installed. This item covers the length of the rail end termination with increased post spacing, concrete post footings and cable anchorage.

CLIN CS Pavement Chip Seal

Preparation of the placement surface by cleaning and sweeping, distribution of asphalt binder, distribution of the aggregate chips in the binder and cover rolling to the limits identified in the Work Order. This includes clean up of spills or inaccurate placements onto surfaces outside of the area identified, to eliminate any environmental concerns and correct misplacements that are unsightly or a nuisance. This item also includes all calibration and test placements within or outside of the work area required to obtain the specified distribution.

CLIN CT Excavated Material Hauling, On Base

Loading excavated material, hauling up to 3 miles round trip and dumping material within the limits identified in the Work Order. This item does not include grading of hauled material.

CLIN CU Miscellaneous Work Associated with Work Order

Performing any other work items within the scope of the Work Order that are not identified in this work item listing but are necessary for the proper completion of the Work Order. Miscellaneous items shall only be as requested and approved by the Contracting Officer, to be submitted in a written proposal by the Contractor. The proposal items shall be reviewed by the Contracting Officer who will negotiate and approve or reject the items and proposed prices.

CLIN CV Bituminous Pavement Testing

Tests shall be performed at the direction of the authorized contracting officer's representative or the contracting

officer using specified testing procedures, or if no procedure is specified the standard testing procedure used by the ASTM shall be used. Payment shall be full compensation for performing the testing function, which includes, but is not limited to, the testing equipment, the testing lab, and the testing personnel. All testing shall be performed under the supervision of the authorized contracting officer's representative for this contract. The Contractor shall not be reimbursed for failing tests.

CLIN DA 2.5" Reclaimed Asphalt Surf Course, Place & Compact

CLIN DB 3" Reclaimed Asphalt Surf Course, Place & Compact

Placing and compacting reclaimed asphalt concrete to the required thickness, grade, smoothness and compaction specified, including obtaining old AC surface course material from current work or on post stockpiles, adding and blending with new materials to meet the specifications, and distributing and compacting the mix within the limits identified in the Work Order. This item also includes layout, survey work, density testing and core sampling, required to meet the limits and grades identified in the Work Order and as specified for quality control. Preparation of the placement surface is not a part of this item.

CLIN DC 7" PCC Pavement Surface Course, Place & Compact

Placing, consolidating, finishing and curing PCC to the required thickness, grade, smoothness and finish specified within the limits identified in the work order. This item also includes layout, survey work, forming, expansion, contraction and construction joints, field and strength testing, and core sampling required to meet the limits and grades identified in the work order and as specified for quality control. Preparation of the placement surface is not a part of this item.

CLIN DD 2.5" AC Pavement Surface Course, Place & Compact (AC Mix Ac-5-3r(3%SBS))

CLIN DE 3" AC Pavement Surface Course, Place & Compact (AC Mix Ac-5-3r(3%SBS))

Placing and compacting new AC to the required thickness, grade, smoothness and compaction specified, within the limits identified in the work order. This item also includes layout, survey work, density testing and core sampling, required to meet the limits and grades identified in the work order and as specified for quality control. Preparation of the placement surface is not a part of this item.

CLIN DF Marking Airfield – Heliport

Laying out and painting pavement areas to the configuration and limits identified in the work order. Cleaning and preparation of the surface for paint and stenciling are a part of this item.

END OF STATEMENT OF WORK